INTERNATIONAL OFFICE OFFI

Internat, application No PCT/EY2004/007296

A. CLASSIFICATION OF SUBJECT MATTER
1PC 7 C08L51/04 C08F279/02 C08F257/02 C08F2/00 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) C08C C08L C08F IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category ° 1-9 PATENT ABSTRACTS OF JAPAN Х vol. 016, no. 066 (C-0912), 19 February 1992 (1992-02-19) & JP 03 263415 A (ASAHI CHEM IND CO LTD), 22 November 1991 (1991-11-22) * PAJ and WPI abstracts * abstract PATENT ABSTRACTS OF JAPAN 1,2 Χ vol. 012, no. 358 (C-531), 26 September 1988 (1988-09-26) & JP 63 112646 A (ASAHI CHEM IND CO LTD), 17 May 1988 (1988-05-17) * WPI and PAJ abstracts * abstract -/--X Further documents are listed in the continuation of box C. Patent family members are listed in annex. ° Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the International "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search .12 NOV 2004 27 September 2004 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Hammond, A

INTERNATIONAL SEARON REPORT

PCT/EP2004/007296

C (Continue	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	· · · · · · · · · · · · · · · · · · ·
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 493 922 A (GAUSEPOHL HERMANN ET AL) 15 January 1985 (1985-01-15) * abstract * column 1, line 36 - column 2, line 39	1-9
X	PATENT ABSTRACTS OF JAPAN vol. 017, no. 327 (C-1073), 22 June 1993 (1993-06-22) & JP 05 032848 A (ASAHI CHEM IND CO LTD), 9 February 1993 (1993-02-09) * PAJ and WPI abstracts * abstract	1-3,7,8
X	EP 0 418 042 A (DOW CHEMICAL CO) 20 March 1991 (1991-03-20) * page 2, line 45-54; page 3, line 44-46, 27-33 * abstract; claim 1	1-9
X	PATENT ABSTRACTS OF JAPAN vol. 017, no. 582 (C-1123), 22 October 1993 (1993-10-22) & JP 05 170991 A (ASAHI CHEM IND CO LTD), 9 July 1993 (1993-07-09) * PAJ and WPI abstracts * abstract	1-3,7,8
Х	EP 0 620 236 A (FINA TECHNOLOGY) 19 October 1994 (1994-10-19) * claims 12,13 ; page 3, line 2-5 ; page 4, line 33-41, 47-51, 9-30 ; abstract ; claims 1-6 ; page 3, line 26-30 * page 3, lines 26-30	1-9
A	US 6 031 050 A (FUJITA MASANARI ET AL) 29 February 2000 (2000-02-29) * abstract ; claim 1 ; column 3, line 33-35, 24-47 ; column 4, line 22-26 * column 2, lines 29-44	1-9
А	WO 99/09081 A (DEMIRORS MEHMET ;DOW CHEMICAL CO (US)) 25 February 1999 (1999-02-25) * abstract *claims 20,21,1-19	1-9
A	US 5 936 036 A (KIHARA HAYATO ET AL) 10 August 1999 (1999-08-10) * claims 1-10 ; column 2, line 36-37 ; abstract *	1-9
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INTERNATIONAL SEARCH REPORT

ional application No. PCT/EP2004/007296

Int

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims. .
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1 - 9
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-9

A rubber reinforced vinyl aromatic (co)polymer having a strictly bimodal morphology, consisting of 55-90%wt. of rigid polymeric matrix and 10-45%wt. of a rubbery phase dispersed inside said rigid polymeric matrix in the form of grafted and occluded particles and wherein said rubber particles consist of 60-99%wt. of particles with a capsule or core-shell morphology, and 1-40%wt. of particles with a salami morphology, said % being measured on the basis of the weight of the rubber particles only.

2. claims: 10, partially 12-17

An independant mass-continuous process for preparation of rubber-reinforced vinyl aromatic (co)polymers which are not specifically and unambiguously the same copolymer products as described in the application claims 1-9 (i.e. the independant mass-continuous process claims are not specifically adapted for the manufacture of the specific product of claims 1-9 as required by the Administrative Instructions under the PCT, PCT Gazette, Section IV, Annex B)

3. claims: 11, partially 12-17

An independant mass-suspension process for preparation of rubber-reinforced vinyl aromatic copolymers which are not specifically and unambiguously the same copolymer products as described in the application claims 1-9 (i.e. the independant mass-suspension process claims are not specifically adapted for the manufacture of the specific products of claims 1-9 as required by the Administrative Instructions under the PCT, PCT Gazette, Section IV, Annex B).

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